



## Specifications:

Inductance	: 68 $\mu$ H
Inductance Tolerance	: $\pm$ 20%
DC Resistance Max	: 0.13 $\Omega$
DC Current Rating	: 2.5A
Inductor Case Style	: SMD
No. of Pins	: 2
Lead Spacing	: 12.7mm
External Depth	: 7.62mm
External Length / Height	: 18.54mm
External Width	: 15.24mm
Series	: MCB

## Electrical Characteristics (at 25°C)

100kHz 0.25V	L	68 $\mu$ H $\pm$ 20%
at 25°C	DCR	138m $\Omega$ (Max.)
100kHz 0.1V I <sub>rms</sub> = 2.2A	L at I <sub>rms</sub>	$\Delta$ T40°C (Maximum)

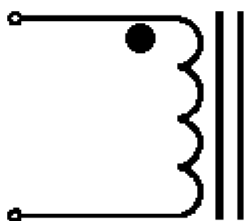
Operating temperature: -55°C to +130°C

**Note:** I<sub>rms</sub> Temperature Rise 40°C

## Material List

No.	Item	Material Description
1	Core	N5D DR9.7 $\times$ 5.8 N5D RI12.7 $\times$ 5.7 $\times$ 10.8
2	Wire	$\varnothing$ 0.4mm $\times$ 1P 2UEWF155°C
3	Solder (Lead Free)	Sn99.3%/Cu0.7%
4	Glue	TH320D / TH320-3
5	Base	C1270+03009-1 DAP

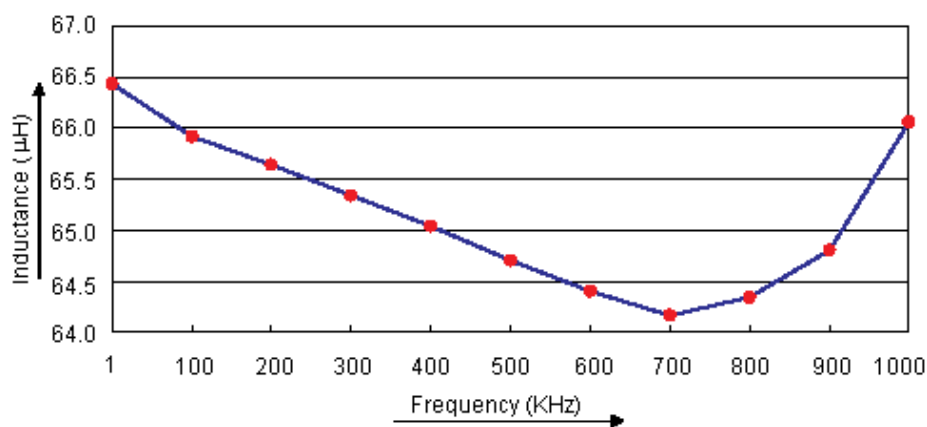
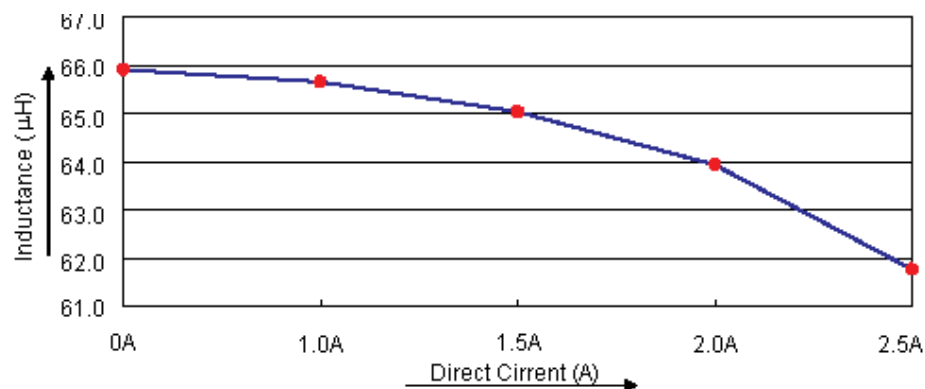
## Schematic Diagram



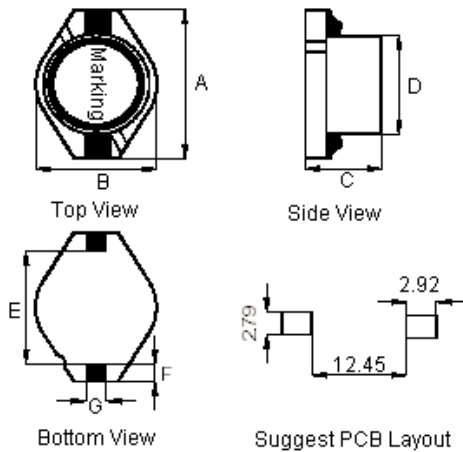
### Note:

1. Wire  $\varnothing 0.4\text{mm} \times 1\text{P 2UEWF } 155^\circ\text{C}$
2. 31.5TS (Reference)

## Electric Characteristics



## Configurations and Dimensions



A	18.54mm	(Maximum)
B	15.24mm	(Maximum)
C	7.62mm	(Maximum)
D	12.7 ±0.3mm	-
E	12.7mm	(Reference)
F	2.54mm	(Reference)
G	2.54mm	(Reference)

Dimensions : Millimetres

## Part Number Table

Description	Part Number
Inductor, 68µH, 20%, SMD	MCBFS7330-680MU

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